

# SAVONEL

## DESCRIPTION

SAVONEL is a sulfate-free surfactant that is mild and gentle. It is derived from refined coconut oil that is organically grown. It can directly replace primary surfactants in the formulation of shampoo, liquid body soap, hand soaps and other personal cleansing formulations.

### APPLICATIONS

SAVONEL is a direct replacement for Alkyl Ether Sulfate (AES) surfactants (SLES, SLS, ALES, and ALS) in the formulation of personal cleansing product. It can be formulated as an AES-Free formulation without sacrificing the foaming and cleaning properties ideal for mild and gentle personal care products.

### FEATURES AND BENEFITS

- 100% Plant-based material.
- Excellent foaming and cleansing properties.
- With built-in moisturizer
- Wide compatibility with all types of surfactants.
- Derived from coconut that is organically grown from sustainable resources

### PACKAGING

It can be purchased in 200-kilo drum. Special packing can be arranged.

### USAGE

Recommended to be used at level 30 - 60% in a personal cleansing formulation. Formulators may vary amount depending on end applications.

### RECOMMENDED STORAGE

This product will remain stable for 12 months from date of production provided that it is stored at ambient conditions away from moisture and direct sunlight. For stored products beyond 1 year, consult Chemrez Technologies Inc. for recommendation of use.

### MATERIAL SAFETY HANDLING INFORMATION

Avoid skin and eye contact. Wear appropriate protective equipments and clothing such as gloves, goggles and apron. Keep away from heat.

*“Chemrez has Material Safety Data Sheets (MSDS) for each products. The MSDS contain relevant information needed to safeguard your employees from any known safety and health hazard related with our products. Chemrez provides you MSDS for all the products you evaluate or buy. It is also necessary that you get copies of the MSDS of the other raw materials recommended in our technical bulletins from the suppliers. Your employees should have ready access to and to be trained well on the proper use of MSDS”*

## TECHNICAL SPECIFICATIONS

### Properties

Properties	Standard
Appearance	Clear, light yellow liquid
% Solids	39 ± 1
pH, 1% solution	9.5 ± 0.5
% Free Fatty Acid as C <sub>12</sub>	0.50 max
% Free Glycerine	2.0 – 4.0
Specific Gravity	1.03 – 1.04
Lead, ppm	< 4
Arsenic, ppm	< 0.50

### DISCLAIMER

*"It is in good faith that we offer suggestions on the use of our products and these are based on knowledge we believe are correct and dependable. However, these suggestions are with no guarantee as process and conditions in the use of our products may vary and are beyond our control. We strongly recommend that users of our products verify the appropriateness of our suggestions before using them on a commercial scale".*

### COPYRIGHT PROTECTION STATEMENT

Copyright@Chemrez Technologies, Inc., 2009 All rights reserved\_Rev\_01\_05-29-08

## CHEMREZ TECHNOLOGIES, INC.

65 Calle Industria, Bagumbayan, Quezon City, 1110 Philippines.

☎ (632) 635 0680 📠 (632) 635 0703 ✉ info@chemrez.com 🌐 www.chemrez.com



ISO 9001:2000  
ISO 14001:2004  
OHSAS 18001:1999  
CIP/39051/07/03/519

## SAVONEL Sample Formulation

### SLES-Free Liquid Body Soap

Raw Materials	Common Name	Percentage, %
Demineralized Water		q.s. to 100
Natrosol 250 HBR	Hydroxyethyl Cellulose	0.75
Fil-Soft 30*	Cocoamidopropyl Betaine	10.00
Savonel*	Potassium Cocoate	50.00
Fil-Amide 190*	Coco Diethanolamide	3.00
Polyquaternium-7	Polyquat-7	1.00
Dye, Preservative, Fragrance		q.s

\*Chemrez Brands

#### Procedure:

1. Weigh the required amount of demineralized water.
2. Add hydroxyethyl cellulose in water and disperse completely until the mixture thickened.
3. In a separate container, combine Fil-Soft 30, Savonel and Fil-Amide 190 and mix thoroughly.
4. Add the mixture to the main batch and continue mixing until the mixture becomes clear.
5. Add Polyquat-7, dye, preservative and fragrance one at a time.

### SLES-Free Shampoo with Conditioner

Raw Materials	Common Name	Percentage, %
Demineralized Water		q.s. to 100
Natrosol 250 HBR	Hydroxyethyl Cellulose	0.75
Fil-Soft 30*	Cocoamidopropyl Betaine	10.00
Savonel*	Potassium Cocoate	50.00
Fil-Amide 190*	Coco Diethanolamide	3.00
Polyquaternium-7	Polyquat-7	2.50
DC 193C Fluid	PEG-12 Dimethicone	2.00
Dye, Preservative, Fragrance		q.s

\*Chemrez Brands

#### Procedure:

1. Weigh the required amount of demineralized water.
2. Add guar gum in water and disperse completely until the mixture thickened.
3. In a separate container, combine Fil Soft-30, Savonel and Fil-Amide 190 and mix thoroughly.
4. Add the mixture to the main batch and continue mixing until the mixture becomes clear.
5. Add Polyquat-7, PEG-12 Dimethicone, dye, preservative and fragrance one at a time.

#### DISCLAIMER

"It is in good faith that we offer suggestions on the use of our products and these are based on knowledge we believe are correct and dependable. However, these suggestions are with no guarantee as process and conditions in the use of our products may vary and are beyond our control. We strongly recommend that users of our products verify the appropriateness of our suggestions before using them on a commercial scale".

#### COPYRIGHT PROTECTION STATEMENT

Copyright@Chemrez Technologies, Inc., 2009 All rights reserved\_Rev\_01\_05-29-08

Rev\_03\_09-14-11

#### CHEMREZ TECHNOLOGIES, INC.

65 Calle Industria, Bagumbayan, Quezon City, 1110 Philippines.

(632) 635 0680 (632) 635 0703 info@chemrez.com www.chemrez.com



ISO 9001:2000  
ISO 14001:2004  
OHSAS 18001:1999  
CIP/39051/07/03/519